

## Linerless Solutions

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- A smarter and more sustainable Direct Thermal printing solution.
- A perfectly matched printer and linerless label material that offers the flexibility to print labels of any length, on demand from a single roll.
- Offering outstanding print quality and excellent adhesion with minimal adhesive build up on cutter blades.
- Reducing waste, saving time and keeping the working environment safer, cleaner and greener.



# The ever-changing workplace

## Delivering reliability to meet future challenges

Every business is unique. This is why Toshiba offer flexible and reliable print solutions that meet labelling requirements, day after day. Toshiba label printers provide connectivity and solutions that adapt to the needs of an ever-changing workplace.

Toshiba's printers continue to deliver on our promise of Together Information – our commitment to collaborate with clients to provide tailored, cost-effective solutions that meet your evolving workplace needs.

## The most flexible label printing

Toshiba's linerless printers enable the user to print onto labels that have no backing paper liner, reducing waste and keeping the working environment safer, cleaner and greener. By matching the hardware with our specially adapted linerless label material, Toshiba has created a fully flexible print solution.



# Linerless solution

## Toshiba linerless printers

The Toshiba portfolio offers flexible label printing solutions including outstanding label adhesion and minimum adhesive build-up to the linerless printer's automatic cutting mechanism. Application lines benefit from smooth media feed with almost no paper jamming and superior print quality.

## What is linerless?

Linerless refers to labels made without a liner or backing paper. This makes it a more sustainable solution when compared to conventional label materials. It still offers the same scanning and print quality properties as standard direct thermal materials. Toshiba's linerless labels are the ideal fit for transport & logistics and retail as well as for the food & beverages sector. Simply put, it suits any application.

## Perfectly matched print solution

Benefit from this perfectly matched solution of printer and linerless material. Throughout extensive testing cycles both components were aligned to meet the strictest quality requirements. Finally, we developed a tried and tested solution using the combination of our linerless printer and material, ensures maximum print head life and easy maintenance.

## The perfect sustainable solution

- Cost effective - reduce label inventory and roll yield
- Increased efficiency or productivity – less operator intervention and down time for roll changes
- Increase safety - remove slip hazard
- Greener/more sustainable – less waste going into landfill
- Excellent ROI

# Key highlights

- Perfectly matched linerless print solution
- Multiple variable label length with one label roll
- Incredibly versatile applications
- Optimised stock management of media rolls
- Highest print performance and maximum print head life with Toshiba linerless material
- Excellent adhesion on various surfaces
- Super clean cut of label material



# Boost your efficiency

## Increased efficiency, highest performance

The label yield from a linerless roll is greater than that from a standard label and with our linerless solution able to cut labels to any length, on demand, this greatly reduces operational down time for roll changes. Less storage space is required and with no backing paper, there is less operator time spent clearing waste materials and emptying bins.

## Reduce your costs

With less operator intervention, less stock inventory for different labels sizes, along with associated costs of handling and disposing of the backing paper as industrial waste, operational cost saving can be made.

## Flexibility

Cut label lengths to suit any print run on demand. This is flexibility at its best.

## A greener future

With most backing paper going straight to land fill, linerless printing offers a smarter, safer and more sustainable printing solution.

# Applications

Toshiba linerless labels are suitable for the widest applications range, ensuring you find a perfect match for your needs.

### • Transport & logistics

- Linerless labels specifically designed for the use on rough cardboard surfaces provide reliable adhesion for direct thermal labels.

### • Quick service & takeaway

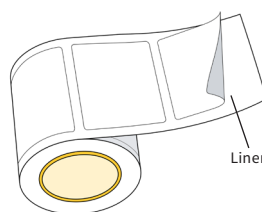
- Improve process efficiency in quick service restaurants and takeaway sales with linerless labels.

### • Food & beverages

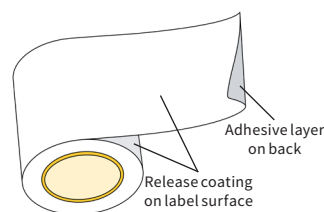
- Linerless labels offer impressive adhesion for labelling pre-packed food products even in chilled and frozen environments.

### • E-commerce & retail

- Easy handling of various label sizes without the need to change the label rolls.



Conventional label



Linerless label

# Specification Overview

	Toshiba linerless label roll - 76 mm <sup>1)</sup>	Toshiba linerless label roll - 102 mm <sup>1)</sup>
Article no.	BLC310076000LL4	BLC310102000LL4
Roll width	76 mm	102 mm
Roll length	70 m	70 m
Core diameter	38.1 mm	38.1 mm
Rolls per box	36	24
BV400D max. print speed	7 ips (177.8 mm/sec)	7 ips (177.8 mm/sec)
Type of adhesive	Modified acrylic permanent adhesive	Modified acrylic permanent adhesive
Tack (typical value)	10 N FTM9	10 N FTM9
Total caliper	95 µm	95 µm
Min. labelling temperature	5°C	5°C
Service temperature	-10°C - 70°C	-10°C - 70°C
Sustainability	FSC-certified	FSC-certified
Phenol free linerless	yes	yes
BPA free	yes	yes
BV400D print head life	30+ km	30+ km
BV400D cutter life	300.000+ cuts	300.000+ cuts

<sup>1)</sup>Contact your Toshiba sales representative for a full overview of adhesives and additional information about Toshiba linerless label rolls.

## About Toshiba Tec

Toshiba Tec UK Imaging Systems Ltd is part of the globally operating Toshiba Tec Corporation.

Their services include managed print services, business process optimisation and effective document management software solutions, managed IT services, innovative digital signage solutions and label printers with a wide-range of industrial, logistics, trade healthcare and service sector applications.

Toshiba Tec UK Imaging Systems Ltd's HQ is in Chertsey, Surrey.

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Together Information is Toshiba's vision for how people and organisations create, record, share, manage and display ideas and data.

It is based on our belief that the most successful organisations are those that communicate information in the most efficient way.

We make that possible through an integrated portfolio of industry-specific solutions, all of which reflect Toshiba's commitment to the future of the planet.

